

No.

200400115



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Louisiana State University Agricultural Center

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1261, 7 U.S.C. 2321 ET SEQ.)

RICE

'Pirogue'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this tenth day of November, in the year two thousand and four.

Attest:



[Signature]

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Louisiana State University Agricultural Center		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME LA 9902134		3. VARIETY NAME Pirogue	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Rice Research Station 1373 Caffey Road Rayne, LA 70578		5. TELEPHONE (include area code) (337) 788-7531		FOR OFFICIAL USE ONLY PVPO NUMBER 2004 00 1 15 FILING DATE February 19, 2004	
		6. FAX (include area code) (337) 788-7553			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) University Research Center		8. IF INCORPORATED, GIVE STATE OF INCORPORATION --		9. DATE OF INCORPORATION	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Steve Linscombe Rice Research Station 1373 Caffey Road Rayne, LA 70578				F E E S R E C E I V E D FILING AND EXAMINATION FEES: \$ 3,652 - DATE Feb. 19, 2004 CERTIFICATION FEE: \$ 432.00 DATE 10/7/04	
11. TELEPHONE (include area code) (337) 788-7531		12. FAX (include area code) (337) 788-7553		13. E-MAIL slinscombe@agcenter.lsu.edu	
14. CROP KIND (Common Name) Rice		16. FAMILY NAME (Botanical) Poaceae		18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP Oryza sativa		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) (Photo) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)				20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23) 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input checked="" type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)				24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF OWNER 		SIGNATURE OF OWNER Steve Linscombe			
NAME (Please print or type) Steve Linscombe		NAME (Please print or type) Steve Linscombe			
CAPACITY OR TITLE Breeder		DATE 02/09/2004		CAPACITY OR TITLE Breeder	
		DATE 02/09/2004			

(See reverse for instructions and information collection burden statement)

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. **Retain one copy for your files.** All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 - (2) the details of subsequent stages of selection and multiplication;
 - (3) evidence of uniformity and stability; and
 - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice*, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

United States - March 6, 2003.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

EXHIBIT A

Pirogue – Development History
Pedigree: Rico 1/S-101

Year	Generation	ID
1990	Cross	90CR159
1991	F ₁	91T1184
1992	F ₂	92F7390
1993	F ₃	9320137
1994	F ₄	9435564
1995	F ₅	9502678
1996	F ₆	96B6343 (Puerto Rico)
1997	F ₇	97P4530 (Puerto Rico)
1997	F ₈	9764053
1998	F ₉	9802765 (Preliminary Yield)
1999	F ₁₀	9902134 (Uniform Regional Nursery – Commercial/Advanced Yield)
2000	F ₁₁	Headrow Increase
2001	F ₁₂	Breeder Seed
2002	F ₁₃	Foundation Seed
2003	F ₁₄	Foundation seed produced by commercial seed producers

Details of stages of selection and multiplication

Pirogue was developed from a modified program of single seed descent. From the original cross made in 1990, five F₁ plants were grown in 1991. The seed from these F₁ plants were bulked and used to plant a large F₂ population in 1992. One panicle was selected from each of 250 F₂ plants and these were grown as F₃ panicle rows in 1993. Row number 9320137 was selected for advancement (among others). Ten panicles were selected from this row and these were grown as F₄ panicle rows in 1994. Row number 9435564 was selected for advancement. Ten panicles were selected from this row and these were grown as F₅ panicle rows in 1995. Row number 9502678 was selected for advancement. Ten panicles were selected from this row and these were grown as F₆ panicle rows in Puerto Rico (winter nursery facility). Row 96B6343 was selected for advancement. Ten panicles were selected from this row and these were grown as F₇ panicle rows in Puerto Rico (planted in December 1996, harvested in April 1997). Ten panicles were selected from row 97P4530 and these were planted as panicle rows (F₈) at the Rice Research Station in 1997. Row number 9764053 was selected for advancement. Ten panicles were selected from this row and the remaining seed was bulked. The bulked seed was used for yield testing in 1998, while the 10 panicles were planted as panicle rows (F₉) in the same year. This material was reselected and grown as panicle rows in 1999 (F₁₀) as yield, agronomic, and quality testing continued. A 500-panicle row increase was grown in 2000 (F₁₁). This seed was

used to plant a breeder seed block (F₁₂) in 2001; the seed from which was used to plant a foundation seed field (F₁₃) in 2002. This is the seed that was released to growers in 2003.

Pirogue has been observed for six generations of increase and purification (1998-2003) and has exhibited a very high level of uniformity and stability.

Pirogue was originally selected in the F₈ generation as a short-statured, early maturing, disease resistant short-grain line that displayed good yield potential. It has displayed excellent yield potential and acceptable short-grain quality characteristics, as well as good resistance to *Rhizoctonia solani* (sheath blight), *Pyricularia grisea* (blast), and physiological straighthead disorder in trials and nurseries for several years. Yield, milling and agronomic data are attached from multi-location testing (six environments) in 2003.

In each generation of multiplication and purification (F₄-F₁₃), the line was selected for uniformity and purity.

Variants observed and removed from increase fields of Pirogue included any combination of the following: taller, shorter, pubescent, earlier, later, gold-hull, awned grains, and intermediate grain shape. The total number of off-types was less than 1 per 5,000 plants.

EXHIBIT B**Statement of Distinctness****PIROGUE**

Pirogue is a high yielding, early maturing, short-stature short-grain rice variety. It was derived from the cross 'Rico 1'/'S-101' made in 1990. The variety averages 80 days from emergence to 50% heading, which is the same as Bengal and Earl and 5 days later than Cocodrie. The variety is moderately resistant to lodging. Pirogue has shown adaptation throughout the southern U.S. rice producing regions.

Pirogue most closely resembles the rice variety 'Bengal.' One major difference between Pirogue and Bengal is the fact that Pirogue is a short grain and Bengal is a medium grain. The flag leaf of Pirogue is longer and less erect than that of Bengal. The leaves are glabrous. The lemma can display short hairs on the keel. The spikelet is straw colored and some very short awns have been observed under certain environmental conditions. The apiculus is straw colored. The grain is non-aromatic, non-glutinous, and displays a light brown pericarp. The inner leaf sheath may display a slight purple coloration, especially toward the base of the plant.

Breeder and foundation seed will be produced by the Rice Research Station at Crowley, LA. Foundation seed may be produced by cooperating public rice research stations. Pirogue will also be sold as registered and certified classes of seed.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

PIROGUE

OBJECTIVE DESCRIPTION OF VARIETY
Rice (*Oryza sativa*)

NAME OF APPLICANT (S) Steve Linscombe	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or RD No., City, State, and Zip Code)	PVPO NUMBER 200400115
Rice Research Station, 1373 Caffey Road, Rayne, LA 70578	VARIETY NAME
	TEMPORARY OR EXPERIMENTAL DESIGNATION

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the character of this variety in the spaces provided below. These numbers are also code numbers corresponding to descriptors developed by IBGR-IRRI Rice Advisory Committee and the US Rice Crop Advisory Committee. Breeders will demonstrate distinctness more readily by describing as many characters as is possible.

1. MATURITY - Days to Heading (Seeding to 50% Heading):

A. South: (Location: Crowley, LA) at 165 kg/ha (Nitrogen Rate)

80 Number of Days

Days Earlier Than Check Variety: _____

Days Same As Check Variety: Bengal

5 Days Later Than Check Variety: Cocodrie

1 Maturity Class (50% Heading) - South:

1 = Very Early (85 Days or Less) 2 = Early (86 - 100)
3 = Intermediate (101 - 115) 4 = Late (More Than 115)

B. California: (Location: _____) at _____ kg/ha (Nitrogen Rate)

Number of Days

Days Earlier Than Check Variety: _____

Days Same As Check Variety: _____

Days Later Than Check Variety: _____

Maturity Class (50% Heading) - California:

1 = Very Early (90 Days or Less) 2 = Early (91 - 97)
3 = Intermediate (98 - 104) 4 = Late (More Than 104)

2. CULM:

1 Angle (Degrees from Perpendicular after Flowering):

1 = Erect (Less than 30°) 3 = Intermediate (About 45°) 5 = Open (About 60°)

7 = Spreading (More than 60° but the culms do not rest on the ground)

9 = Procumbent (The culm or its lower part rests on the ground surface)

2. CULM: (continued)**LENGTH**101 • 0 cm (Soil level to top of extended panicle on main stem)

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7 • 0 cm Shorter Than Check Variety: Earl

Length Same as Check Variety: _____

6 • 0 cm Longer Than Check Variety: Bengal2 Height Class: 1 = Semi dwarf 2 = Short 3 = Medium 4 = Tall2 Internode Color (After Flowering): 1 = Green 2 = Light Gold 3 = Purple Lines 4 = Purple3 Strength (Lodging Resistance): 1 = Strong (no Lodging) 3 = Moderately Strong (Most Plants Leaning)
5 = Intermediate (Most Plants Lodged) 7 = Weak (Most Plants Flat)
9 = Very Weak (All Plants Flat)**3. FLAG LEAF** (After Heading):41 • 2 cm Length16 • 1 mm Width1 Pubescence: 1 = Glabrous 2 = Intermediate 3 = Pubescent3 Leaf Angle (After Heading): 1 = Erect 3 = Intermediate 5 = Horizontal 7 = Descending3 Blade Color: 1 = Pale Green 2 = Green 3 = Dark Green 4 = Purple Tips
5 = Purple Margins 6 = Purple Blotch 7 = Purple1 Basal Leaf Sheath Color: 1 = Green 2 = Purple Lines 3 = Light Purple 4 = Purple**4. LIGULE:**9 • 1 mm Length (From base of collar to the tip, at late vegetative stage)1 Color (Late Vegetative Stage): 1 = White 2 = Purple Lines 3 = Purple2 Shape: 1 = Acute to Acuminate 2 = 2-Cleft 3 = Truncate1 Collar Color (Late Vegetative Stage): 1 = Pale Green 2 = Green 3 = Purple1 Auricle Color (Late Vegetative Stage): 1 = Pale Green 2 = Purple**5. PANICLE:**20 • 0 cm Length2 Type: 1 = Compact 5 = Intermediate 9 = Open2 Secondary Branching: 1 = Absent 2 = Light 3 = Heavy 4 = Clustering2 Exsertion (Near Maturity): 1 = Less than 90% 2 = 90 – 99% 3 = 100% Exserted1 Axis: 1 = Straight 2 = Droopy1 Shattering: 1 = Very Low (Less Than 1%) 3 = Low (1 – 5%) 5 = Moderate (6 – 25%)
7 = Moderately High (26 – 50%) 9 = High (More than 50%)2 Threshability: 1 = Difficult 2 = Intermediate 3 = Easy**6. GRAIN** (Spikelet):0 Awns (After Full Heading): 0 = Absent 1 = Short and Partly Awned 5 = Short and Fully Awned
7 = Long and Partly Awned 9 = Long and Fully Awned2 Apiculus Color (At Maturity): 1 = White 2 = Straw 3 = Brown (Tawny) 4 = Red
5 = Red Apex 6 = Purple 7 = Purple Apex1 Stigma Color: 1 = White 2 = Light Green 3 = Yellow 4 = Light Purple 5 = Purple

6. GRAIN (Spikelet):

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0 Lemma and Palea Color (At Maturity):

- | | | |
|----------------------------|--|------------------------------------|
| 0 = Straw | 1 = Gold and/or Gold Furrows on Straw Background | 2 = Brown Spots on Straw (Piebald) |
| 3 = Brown Furrows on Straw | 4 = Brown (Tawny) | 5 = Reddish to Light Purple |
| 6 = Purple Spots on Straw | 7 = Purple Furrows on Straw | 8 = Purple |
| 9 = Black | 10 = White | |

2 Lemma and Palea Pubescence:

- | | | |
|-----------------|--------------------------|----------------------------|
| 1 = Glabrous | 2 = Hairs on Lemma Keel | 3 = Hairs on Upper Portion |
| 4 = Short Hairs | 5 = Long Hairs (Velvety) | |

1 Spikelet Sterility (At Maturity):

- | | | |
|-------------------------------------|-----------------------------|-------------------------------|
| 1 = Highly Fertile (> 90%) | 3 = Fertile (75 – 90%) | 5 = Partly Sterile (50 – 74%) |
| 7 = Highly Sterile (< 50% to Trace) | 9 = Completely Sterile (0%) | |

7. GRAIN (Seed):2 Seed Coat (Bran) Color:

- | | | | |
|-----------|---------------------|--------------------|-----------|
| 1 = White | 2 = Light Brown | 3 = Speckled Brown | 4 = Brown |
| 5 = Red | 6 = Variable Purple | 7 = Purple | |

1 Endosperm Type:

- | | | |
|----------------------------|----------------------|-------------------|
| 1 = Nonglutinous (Nonwaxy) | 2 = Glutinous (Waxy) | 3 = Indeterminate |
|----------------------------|----------------------|-------------------|

5 Endosperm Translucency:

- | | | |
|-----------|------------------|------------|
| 1 = Clear | 5 = Intermediate | 9 = Opaque |
|-----------|------------------|------------|

5 Endosperm Chalkiness:

- | | |
|---------------------------------|-------------------------------------|
| 0 = None | 1 = Small (Less than 10% of Sample) |
| 5 = Medium (10 – 20% of Sample) | 9 = Large (More than 20% of Sample) |

0 Scent (Aroma):

- | | | |
|----------------|---------------------|-------------|
| 0 = Nonscented | 1 = Lightly Scented | 2 = Scented |
|----------------|---------------------|-------------|

Shape Class (Length/Width Ratio):

1 Paddy

- | | | |
|----------------------------|-----------------------------|---------------------------|
| 1 = Short (2.2:1 and Less) | 2 = Medium (2.3:1 to 3.3:1) | 3 = Long (3.4:1 and More) |
|----------------------------|-----------------------------|---------------------------|

1 Brown

- | | | |
|----------------------------|-----------------------------|---------------------------|
| 1 = Short (2.0:1 and Less) | 2 = Medium (2.1:1 to 3.0:1) | 3 = Long (3.1:1 and More) |
|----------------------------|-----------------------------|---------------------------|

1 Milled

- | | | |
|----------------------------|-----------------------------|---------------------------|
| 1 = Short (1.9:1 and Less) | 2 = Medium (2.0:1 to 2.9:1) | 3 = Long (3.0:1 and More) |
|----------------------------|-----------------------------|---------------------------|

Measurements:

Grain Form

Length (mm)	Width (mm)	Thickness (mm)	L/W Ratio	1000 Grains (grams)
<u>7.26</u>	<u>3.47</u>	<u>2.28</u>	<u>2.09</u>	<u>25.6</u>
<u>5.13</u>	<u>2.94</u>	<u>2.04</u>	<u>1.74</u>	<u>22.3</u>
<u>4.92</u>	<u>2.83</u>	<u>1.99</u>	<u>1.74</u>	<u>20.0</u>

19.3 Milling Quality (% Hulls)64.3 Milling Yield (% White Kernel (head) Rice to Rough Rice)6.8 % Protein14.3 % Amylose

Alkali Spreading Value:

_____ 1.5% KOH Solution

6 1.7% KOH Solution7 Gelatination Temperature Type:

- | | | |
|----------|------------------|---------|
| 1 = High | 5 = Intermediate | 7 = Low |
|----------|------------------|---------|

Amylographic Paste Viscosity (Brabender Units)

Peak

Hot Paste

Cooled Paste

'Breakdown' 'Setback'

8. RESISTANCE TO LOW TEMPERATURE:2 Germination and Seedling Vigor:

- | | | |
|---------|------------|----------|
| 1 = Low | 2 = Medium | 3 = High |
|---------|------------|----------|

2 Flowering (Spikelet Fertility):

- | | | |
|---------|------------|----------|
| 1 = Low | 2 = Medium | 3 = High |
|---------|------------|----------|

9. SEEDLING VIGOR NOT RELATED TO LOW TEMPERATURE:2 Vigor:

- | | | |
|---------|------------|----------|
| 1 = Low | 2 = Medium | 3 = High |
|---------|------------|----------|

10. BLAST RESISTANCE: (*Pyricularia oryzae*). (International races found under References)

200400715

0 = Immune 1 = Resistant 3 = Moderately Resistant 5 = Intermediate 7 = Moderately Susceptible 9 = Susceptible

Group	IB				IC				ID				IE				IG				IH			
Number	1	5	45	49	54	1	17	1	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Resistance	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

11. RESISTANCE TO OTHER DISEASES:

0 = Immune 1 = Resistant 3 = Moderately Resistant 5 = Intermediate 7 = Moderately Susceptible 9 = Susceptible

- | | |
|--|--|
| <u>1</u> Narrow Brown Leaf Spot (<i>Cerospora oryzae</i>) | <u>-</u> Aggregate Sheath Spot (<i>Rhizoctonia Oryzae-sativae</i>) |
| <u>1</u> Leaf Smut (<i>Entyloma oryzae</i>) | <u>1</u> Straight Head |
| <u>1</u> Brown Leaf Spot (<i>Helminthosporium oryzae</i>)
(= <i>Bipolaris oryzae</i>)
(= <i>Drechslera oryzae</i>) | <u>5</u> Kernel Smut (<i>Neovossia horrida</i>)
(= <i>Tilletia barclayana</i>) |
| <u>-</u> Leaf Scald (<i>Gerlachia oryzae</i>) | <u>-</u> White Tip Nematode (<i>Aphelenchoides besseyi</i>) |
| <u>-</u> Hoja Blanca Virus | <u>-</u> Stem Rot (<i>Sclerotium oryzae</i>) |
| <u>5</u> Sheath Rot (<i>Sarocladium oryzae</i>) | |
| <u>-</u> Pythium Seedling Blight (<i>Pythium</i> sp.) | <u>5</u> Bacterial Blight (<i>Xanthomonas campestris</i> pv. <i>oryzae</i>) |
| <u>-</u> Sheath Spot (<i>Rhizoctonia oryzae</i>) | <u>3</u> Sheath Blight (<i>Rhizoctonia solani</i>) |
| <u>-</u> Other: _____ | |

12. INSECT RESISTANCE:

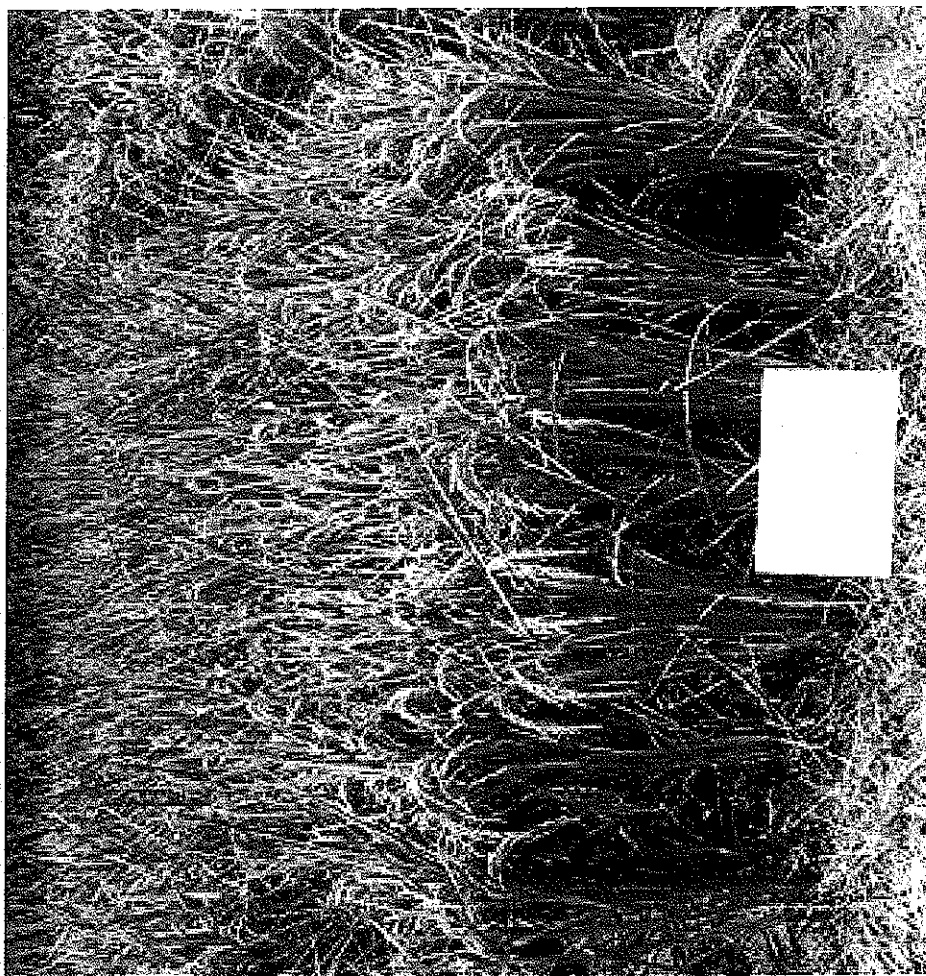
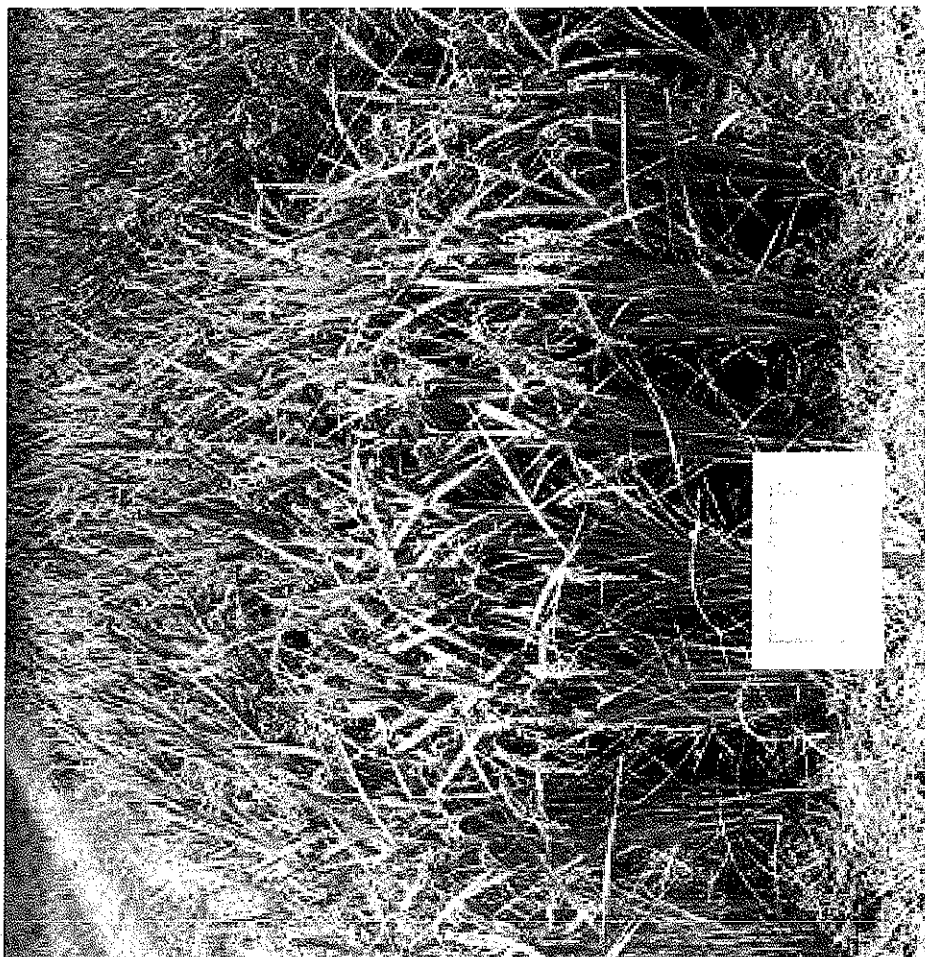
0 = Immune 1 = Resistant 3 = Moderately Resistant 5 = Intermediate 7 = Moderately Susceptible 9 = Susceptible

- | | |
|--------------------------|---|
| <u>-</u> Grasshopper | <u>9</u> Rice Stink Bug (<i>Oegalus pugnax</i>) |
| <u>-</u> Rice Leafhopper | <u>-</u> Swarm Caterpillar |
| <u>-</u> Rice Hispa | <u>9</u> Rice Water Weevil (<i>Lissorhoptrus oryzophilus</i>) |
| <u>-</u> Rice Midge | <u>5</u> Rice Stalk Borer (<i>Chilo plejadellus</i>) |
| <u>-</u> Least Skipper | <u>-</u> Sugarcane Borer (<i>Diatraea saccharalis</i>) |

13. OTHER DESCRIPTORS: If there are other characters that describe this variety, please indicate below:

REFERENCES

- C. R. Adair *et al.* 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.
- J. G. Atkins *et al.* 1967. An International Set of Rice Varieties for Differentiating Race of *Pyricularia Oryzae*. Phytopath. 57:297-301.
- IBPGR-IRRI Rice Advisory Committee. 1980. Descriptors for Rice *Oryza sativa* L. International Rice Research Institute. 21 pp.
- K. C. Ling and S. H. Ou, 1969. Standardization of the International Race Numbers of *Pyricularia Oryzae*. Phytopath. 59:339-342.
- B. D. Webb *et al.* 1985. Utilization Characteristics and Qualities of United States Rice. In Proceedings on Rice Grain Quality and Marketing. International Rice Research Institute (IRRI), Los Branos, Philippines. P. 25-35.



2003 Commercial Advanced Rice Test
Rice Research Station, Crowley, La

ENT	PEDIGREE	VIGOR	Days to 50% Heading	Height (cm)	% Ldg	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	TOTAL YIELD
201	CL 121	5	70	92		71.0	74.1	5513	2463	7976
202	CL 141	4	75	121		67.3	72.0	7184	2502	9686
203	CL 161	4	76	107		71.9	75.2	6416	2605	9021
204	COCODRIE	4	70	97		67.5	72.6	7953	1933	9886
205	CYPRESS	3	73	98		70.2	74.6	6837	2544	9381
206	CHENIERE	5	73	99		69.9	75.1	7008	1758	8766
207	FRANCIS	4	74	111		64.6	71.5	7451	2475	9926
208	WELLS	4	75	112		65.6	73.2	6938	2570	9508
209	SABER	4	72	104		69.2	70.6	6158	3517	9675
210	AHRENT	5	69	110		67.3	71.0	6259	2046	8305
211	PRISCILLA	6	74	101		66.3	71.2	7469	4060	11529
212	JEFFERSON	6	66	93		63.8	68.7	5957	2820	8777
213	MAYBELLE	5	64	104		63.1	68.5	6564	1568	8132
214	PIROGUE	5	74	104		70.1	72.8	4949	2339	7288
215	BENGAL	4	74	100		69.6	72.7	6441	2936	9377
216	EARL	4	74	113		72.3	74.7	6998	3018	10016
217	DELLROSE	6	71	105		70.0	73.3	6023	3982	10005
218	DELLA	5	75	137	17	60.1	69.1	4941	1122	6063
219	DELLMATI	5	67	123	57	57.1	68.0	3658	2591	6249
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	5	69	100		67.9	72.8	7035	2113	9148
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	5	70	100		66.7	72.0	7597	3184	10781
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	5	66	109		65.1	70.4	8036	2714	10750
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	6	70	67		69.8	73.7	6663	2993	9656
224	0202195 (URN 034) NWBT/KATY/9902207x7	4	69	98		66.7	72.3	8055	1936	9991
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	5	71	102		69.7	72.9	7570	2979	10549
226	0202048 (URN 048) LM-1	7	73	90		66.2	72.8	6918	3747	10665
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	4	70	101		64.1	69.8	7062	1585	8647
228	0102068 (URN 068) 9502008/LGRU	5	71	99		69.4	72.6	7407	2730	10137
229	0302082 (URN 082) 9502008-A/DREW	5	67	97		68.0	72.7	8401	2268	10669
230	0302094 (URN 094) 9502008-A/DREW	5	69	101		67.8	72.2	8486	1753	10239
231	0302097 (URN 097) 9502008-A/TACAURI	6	70	93		67.8	72.7	6157	2257	8414

200400115

2003 Commercial Advanced Rice Test
Rice Research Station, Crowley, La

200400115

ENT	PEDIGREE	VIGOR	Days to 50% Heading	Height (cm)	% Ldg	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	TOTAL YIELD
232	0202103 (URN103) CPRS/DREW	6	73	105		69.9	73.9	7505	2889	10394
233	0002140 (URN 025) JSMN/DLLA	5	76	101		58.1	65.2	5391	2625	8016
234	0202183 (URN 031) 9502065/3/BNGL/MERC/RICO	5	74	98		69.1	71.2	8153	3330	11483
235	0002146 (URN 028) ORIN/MERC/RICO/...	5	72	108		70.0	72.2	8258	4312	12570
236	0302140 (URN 140) BNGL/A4916/STRN	4	73	99		72.9	74.8	6968	2704	9672
237	0302146 (URN 146) BNGL/9502065	5	74	95		72.2	74.2	5958	3975	9933
238	0302137 (URN 137) DLM/MT/B846273-710	4	70	117	43	60.3	70.3	5989	3158	9147
239	0302125 (URN 125) JSMN/DLLA/LEAH/DLLA	4	68	107		66.7	71.4	6728	2802	9530
240	0302011 (URN011) AC105DH2/AC101DH2	4	69	100		67.3	72.3	6328	2098	8426
241	0302042 (URN 042) 9863304DH2	6	-45	132		57.6	67.0	3529	5595	9124
242	0302051 (URN 051) AC105DH2/AC110DH2	4	68	91		63.3	70.0	7153	2067	9220
243	0302062 (URN 062) CCDR/98PIM0141	4	67	103		65.7	71.4	5287	3243	8530
244	0302071 (URN 071) AC122DH4	4	74	105		70.8	73.9	7541	3543	11084
245	0302085 (URN 085) AC105DH2/AC110DH2	4	72	103		69.7	73.0	6447	2839	9286
246	0302088 (URN 088) AC105DH2/AC110DH2	5	71	107	10	64.8	68.4	6701	2027	8728
247	0302091 (URN 091) AC176DH1/9959322DH2	6	72	104		68.4	73.0	6149	3898	10047
248	0302128 (URN 128) CCDR/98PIM0151	4	74	106		71.2	74.5	7356	3022	10378
249	0302149 (URN 149) CCDR/98LL0401	5	71	103		66.7	69.2	6929	2115	9044
250	TX 9092	5	70	96		66.5	70.7	6266	4006	10272
251	TX 8181	7	69	104		68.9	72.4	7153	1618	8771
252	AR 0101093 (URN 004) 9101001/TBNT/KATY/3/LGRU	4	65	110	53	64.1	71.1	6421	3190	9611
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	4	71	102		70.0	73.1	7024	3061	10085
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	74	96		70.1	73.2	6582	3598	10180
255	MS 0204114	6	73	103		66.0	71.7	5397	3626	9023
256	XL 7	5	69	115	60	63.6	72.4	6577	4331	10908
257	XL 8	4	72	114	77	64.7	73.7	6838	4010	10848
258	CLXL 8	5	76	121	10	63.6	71.4	7888	4969	12857
259	XP 710	6	76	115		61.4	70.3	7768	4521	12289
260	XP 712	4	74	119		67.3	71.8	7908	6152	14060
C.V.		13.5	1.9	7.0		3.8	2.8	12.3		
LSD (0.05)		1.0	2.1	11.8		5.0	4.0	1336.6		

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Lake Arthur, La

200400115

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
201	CL 121	6	74	97	64.6	70.2	5186	2236	7422
202	CL 141	5	78	124	60.3	67.9	5244	2679	7923
203	CL 161	4	82	106	63.8	62.3	5083	2325	7408
204	COCODRIE	4	78	104	63.9	71.9	6694	2295	8989
205	CYPRESS	4	81	103	63.8	69.3	5637	2447	8084
206	CHENIERE	6	80	100	61.7	70.4	6054	2419	8473
207	FRANCIS	5	80	116	60.3	68.8	5570	2751	8321
208	WELLS	4	79	110	59.2	69.5	7110	2516	9626
209	SABER	6	79	105	66.9	70.7	6047	3115	9162
210	AHRENT	4	77	114	63.6	68.2	5397	1861	7258
211	PRISCILLA	6	78	106	60.7	70.7	5214	3091	8305
212	JEFFERSON	7	69	99	63.8	70.4	6020	3104	9124
213	MAYBELLE	6	66	110	62.9	69.6	5118	1912	7030
214	PIROGUE	7	78	110	68.6	71.7	5925	3077	9002
215	BENGAL	5	80	104	67.6	72.2	6305	3888	10193
216	EARL	5	79	118	68.0	73.3	8021	3064	11085
217	DELLROSE	7	77	110	66.8	71.5	5111	2982	8093
218	DELLA	5	81	144	59.2	67.4	3864	1553	5417
219	DELLMATI	6	66	125	60.4	68.7	3752	2701	6453
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	5	75	104	63.6	69.3	6747	2077	8824
221	0302005 (URN 005) TACAURI/3/CPRS//82CAY21/TBNT	4	78	105	55.8	65.7	5684	2823	8507
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	6	69	107	56.2	64.2	5958	2843	8801
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	5	77	100	61.1	69.8	5818	2897	8715
224	0202195 (URN 034) NWBT/KATY//9902207x7	6	76	106	64.5	70.1	6871	2364	9235
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	7	77	112	66.8	71.5	7202	2729	9931
226	0202048 (URN 048) LM-1	9	76	97	65.9	73.3	6087	3927	10014
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	4	77	105	62.8	69.6	5743	2228	7971
228	0102068 (URN 068) 9502008/LGRU	5	79	105	63.2	69.8	6413	2887	9300
229	0302082 (URN 082) 9502008-A/DREW	4	78	104	63.3	69.6	6809	3076	9885
230	0302094 (URN 094) 9502008-A/DREW	4	77	103	63.6	69.9	6277	2432	8709
231	0302097 (URN 097) 9502008-A/TACAURI	5	77	99	64.2	71.3	6321	3107	9428

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Lake Arthur, La

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ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
232	0202103 (URN103) CPRS/DREW	5	80	109	61.4	68.2	6271	3045	9316
233	0002140 (URN 025) JSMN/DLLA	7	78	104	57.6	66.6	6310	2233	8543
234	0202183 (URN 031) 9502065/3/BNG/L/MERC/RICO	6	78	105	68.5	72.5	7307	2813	10120
235	0002146 (URN 028) ORIN/MERC/RICO/...	6	77	111	63.8	70.8	8391	4362	12753
236	0302140 (URN 140) BNG/L/V4916/STRN	5	82	106	67.1	71.9	5344	3292	8636
237	0302146 (URN 146) BNG/L/9502065	6	77	103	68.7	72.6	6309	3762	10071
238	0302137 (URN 137) DLMT//B846273-710	4	76	115	50.9	63.7	4364	2482	6846
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	5	73	109	65.9	70.7	5538	2857	8395
240	0302011 (URN011) AC105DH2/AC101DH2	5	75	105	68.6	73.2	5881	2411	8292
241	0302042 (URN 042) 9863304DH2	7	19	131	56.0	66.4	4466	3585	8051
242	0302051 (URN 051) AC105DH2/AC110DH2	6	78	101	61.7	68.9	5548	2918	8466
243	0302062 (URN 062) CCDC/98P/IM0141	5	80	118	61.8	69.0	4900	2740	7640
244	0302071 (URN 071) AC122DH4	5	79	110	67.8	73.0	6777	3768	10545
245	0302085 (URN 085) AC105DH2/AC110DH2	4	81	108	64.7	69.4	5455	2655	8110
246	0302088 (URN 088) AC105DH2/AC110DH2	4	77	102	64.7	70.3	6347	2871	9218
247	0302091 (URN 091) AC176DH1/9959322DH2	5	77	108	64.0	71.3	5693	3377	9070
248	0302128 (URN 128) CCDC/98P/IM0151	5	77	111	61.1	68.2	6463	2620	9083
249	0302149 (URN 149) CCDC/98LL0401	5	78	107	66.7	70.7	6550	2567	9117
250	TX 9092	7	76	101	65.5	71.6	6215	3724	9939
251	TX 8181	9	76	108	61.8	69.4	5533	2726	8259
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	4	70	114	66.8	72.5	5563	3144	8707
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	5	79	105	62.7	69.4	5966	2643	8609
254	AR 0001151 (URN 021) BNG/L/SHORT-RICO	5	79	99	64.9	70.9	5835	3552	9387
255	MS 0204114	7	77	110	45.7	70.3	5938	3306	9244
256	XL 7	5	72	120	61.2	72.1	5678	4019	9697
257	XL 8	5	78	113	62.0	71.8	8004	5243	13247
258	CLXL 8	6	78	120	55.7	68.2	7630	4560	12190
259	XP 710	6	79	118	59.9	71.3	7100	5284	12384
260	XP 712	5	79	119	60.2	69.5	7702	4889	12591
C.V.		10.4	1.7	3.3	5.3	3.8	10.9		
LSD (0.05)		0.9	2.2	5.9	6.7	5.3	1062.4		

2003 Commercial Advanced Rice Yield Test

Jeff Davis Parish, Fenton, La

200400115

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
201	CL 121	5	78	90	61.2	70.5	5487	1624	7111
202	CL 141	4	79	115	65.5	70.5	5812	2069	7881
203	CL 161	4	82	101	70.0	72.8	3955	1936	5891
204	COCODRIE	4	78	89	65.7	70.0	6004	1868	7872
205	CYPRESS	4	83	96	70.1	73.0	6086	2157	8243
206	CHENIERE	5	80	97	68.2	72.4	6293	2260	8553
207	FRANCIS	5	78	106	66.3	72.3	6874	2023	8897
208	WELLS	4	80	110	65.7	72.0	6718	1903	8621
209	SABER	4	80	100	68.3	70.5	5874	2881	8755
210	AHRENT	4	77	102	66.6	70.1	5052	1304	6356
211	PRISCILLA	6	79	96	64.8	71.2	6047	2720	8767
212	JEFFERSON	6	71	91	66.2	72.8	5555	2671	8226
213	MAYBELLE	5	68	104	60.6	71.6	3037	998	4035
214	PIROGUE	6	85	112	67.9	71.3	3771	1987	5758
215	BENGAL	4	85	97	67.9	71.3	5987	2699	8686
216	EARL	4	85	113	68.8	72.3	7823	2600	10423
217	DELLROSE	5	79	104	71.0	73.5	6161	2796	8957
218	DELLA	6	85	147	69.2	72.2	4722	1353	6075
219	DELLMATI	5	71	120	68.7	72.5	2330	1484	3814
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	4	75	94	65.4	69.6	5871	1751	7622
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	5	75	92	61.6	69.1	5154	1900	7054
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	5	69	100	64.9	69.6	4430	1488	5918
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	5	76	92	63.8	68.8	4835	1574	6409
224	0202195 (URN 034) NWBT/KATY//9902207x7	4	77	92	69.5	73.4	6692	1911	8603
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	5	76	97	68.5	71.9	6701	2047	8748
226	0202048 (URN 048) LM-1	7	83	95	67.7	73.3	6112	3202	9314
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	4	76	92	67.2	71.7	4824	1333	6157
228	0102068 (URN 068) 9502008/LGRU	5	79	96	68.0	71.8	6474	2672	9146
229	0302082 (URN 082) 9502008-A/DREW	4	77	89	66.7	72.4	4845	2098	6943
230	0302094 (URN 094) 9502008-A/DREW	4	77	93	68.2	72.2	5579	1590	7169
231	0302097 (URN 097) 9502008-A/TACAURI	5	76	85	68.8	72.4	5991	2388	8379

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2003 Commercial Advanced Rice Yield Test
Jeff Davis Parish, Fenton, La

200400115

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
232	0202103 (URN103) CPRS/DREW	5	79	100	71.0	73.8	5022	2348	7370
233	0002140 (URN 025) JSMN/DLLA	6	86	102	60.7	67.3	5522	1221	6743
234	0202183 (URN 031) 9502065/3/BNGL/MERC/RICO	6	83	99	65.8	69.3	6703	2384	9087
235	0002146 (URN 028) ORIN/MERC/RICO/...	6	82	106	69.1	72.0	8288	2992	11280
236	0302140 (URN 140) BNGL/V4916/STRN	4	83	95	71.4	74.6	5908	1915	7823
237	0302146 (URN 146) BNGL/9502065	5	83	95	70.4	73.0	6290	3407	9697
238	0302137 (URN 137) DLMT/DLMT//B846273-710	4	78	108	61.0	69.9	5511	1978	7489
239	0302125 (URN 125) JSMN/DLLA/LEAH/DLLA	5	72	94	66.4	70.9	4041	1806	5847
240	0302011 (URN011) AC105DH2/AC101DH2	4	78	89	66.8	70.5	5340	1575	6915
241	0302042 (URN 042) 9863304DH2	5	88	125	58.8	68.6	5301	4465	9766
242	0302051 (URN 051) AC105DH2/AC110DH2	5	77	83	63.2	69.8	4733	1722	6455
243	0302062 (URN 062) CDDR/98PIM0141	5	79	99	63.0	69.3	5556	2084	7640
244	0302071 (URN 071) AC122DH4	4	84	99	67.1	71.3	5554	2438	7992
245	0302085 (URN 085) AC105DH2/AC110DH2	4	82	97	69.1	73.0	5755	2236	7991
246	0302088 (URN 088) AC105DH2/AC110DH2	4	78	94	66.3	70.0	5703	1753	7456
247	0302091 (URN 091) AC176DH1/9959322DH2	5	75	93	67.6	73.4	5496	2076	7572
248	0302128 (URN 128) CDDR/98PIM0151	4	79	97	65.9	70.3	5308	2077	7385
249	0302149 (URN 149) CDDR/98LL0401	4	79	98	71.2	73.4	6681	2418	9099
250	TX 9092	7	77	96	69.5	72.8	5872	2991	8863
251	TX 8181	7	77	94	70.5	73.3	5997	2015	8012
252	AR 0101093 (URN 004) 9101001/TBNT/KATY/3/LGRU	4	71	104	66.0	71.7	2929	1754	4683
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	5	78	93	68.8	71.6	5942	2284	8226
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	4	85	100	65.8	69.1	5078	2710	7788
255	MS 0204114	7	81	97	64.6	70.9	5672	2877	8549
256	XL 7	5	72	113	64.1	72.6	5966	3956	9922
257	XL 8	5	79	110	64.4	72.6	7344	3432	10776
258	CLXL 8	4	81	112	66.1	74.1	6553	3249	9802
259	XP 710	7	76	113	66.5	74.6	7245	4515	11760
260	XP 712	5	83	119	70.1	72.9	6940	4935	11875
C.V.		10.9	1.8	2.8	2.8	1.7	15.3		
LSD (0.05)		0.9	2.2	4.6	3.7	2.5	1406.9		

2003 Commercial Advanced Rice Yield Test
Acadia Parish, Mowata, La

200400115

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Grain Yield	Mil. % Whole Gr	Mil. % Total Gr
201	CL 121	5	70	84	6091	66.8	70.7
202	CL 141	4	74	114	7187	64.4	69.3
203	CL 161	4	77	97	7037	67.0	70.5
204	COCODRIE	5	71	88	6539	66.0	71.2
205	CYPRESS	4	75	89	6092	66.8	70.8
206	CHENIERE	5	73	90	6473	65.6	71.2
207	FRANCIS	5	75	101	7145	62.6	68.8
208	WELLS	5	75	99	7238	62.7	69.6
209	SABER	5	73	91	5801	68.8	70.6
210	AHRENT	5	73	100	5338	63.1	67.8
211	PRISCILLA	6	74	88	5987	65.8	70.2
212	JEFFERSON	6	69	86	5162	66.3	71.1
213	MAYBELLE	6	68	93	4948	67.3	71.0
214	PIROGUE	6	77	95	6000	63.5	69.6
215	BENGAL	5	78	93	6890	66.5	69.1
216	EARL	5	80	101	5723	64.0	67.9
217	DELLROSE	6	74	89	5000	66.6	70.5
218	DELLA	6	78	123	4213	58.0	67.8
219	DELLMATI	6	67	100	3948	61.9	69.7
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	6	71	89	6072	67.3	71.2
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	6	72	87	6379	62.7	69.7
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	5	67	98	7840	61.9	66.9
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	6	70	80	5668	67.3	71.2
224	0202195 (URN 034) NWBT/KATY//9902207x7	5	70	86	6566	66.4	71.0
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	6	71	88	6112	65.6	70.1
226	0202048 (URN 048) LM-1	7	74	83	4581	61.6	70.9
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	5	70	90	6050	67.5	72.1
228	0102068 (URN 068) 9502008/LGRU	5	71	90	6374	68.1	71.5
229	0302082 (URN 082) 9502008-A/DREW	4	71	82	6255	69.4	73.7
230	0302094 (URN 094) 9502008-A/DREW	6	70	93	6417	68.5	71.9
231	0302097 (URN 097) 9502008-A/TACAURI	5	70	85	5804	65.2	70.7
232	0202103 (URN103) CPRS/DREW	6	73	94	4806	66.8	73.0
233	0002140 (URN 025) JSMN/DLLA	5	78	91	5672	53.8	65.5

2003 Commercial Advanced Rice Yield Test
Acadia Parish, Mowata, La

200400115

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Grain Yield	Mil. % Whole Gr	Mil. % Total Gr
234	0202183 (URN 031) 9502065/3/BNGL/MERC/RICO	5	77	90	6229	64.7	67.5
235	0002146 (URN 028) ORIN/MERC/RICO/...	6	76	96	5922	65.3	68.2
236	0302140 (URN 140) BNGL/V4916/STRN	5	77	91	5998	68.3	72.1
237	0302146 (URN 146) BNGL/9502065	5	76	84	5640	67.6	70.1
238	0302137 (URN 137) DLMT/DLMT/B846273-710	5	70	97	6585	65.1	70.8
239	0302125 (URN 125) JSMN/DLLA/LEAH/DLLA	4	68	88	5171	67.4	72.0
240	0302011 (URN011) AC105DH2/AC101DH2	5	71	88	5893	67.1	70.8
241	0302042 (URN 042) 9863304DH2	5	80	120	6387	53.5	66.3
242	0302051 (URN 051) AC105DH2/AC110DH2	5	67	88	5067	68.0	72.0
243	0302062 (URN 062) CC DR/98PIM0141	5	75	95	4711	61.4	67.8
244	0302071 (URN 071) AC122DH4	4	77	100	7973	64.5	68.2
245	0302085 (URN 085) AC105DH2/AC110DH2	5	73	94	5828	66.5	70.9
246	0302088 (URN 088) AC105DH2/AC110DH2	5	70	95	6313	67.2	70.5
247	0302091 (URN 091) AC176DH1/9959322DH2	6	71	89	5550	64.1	70.0
248	0302128 (URN 128) CC DR/98PIM0151	5	72	98	7610	67.0	70.7
249	0302149 (URN 149) CC DR/98LL0401	5	72	93	7115	68.7	71.4
250	TX 9092	5	73	86	5276	67.4	70.9
251	TX 8181	7	73	86	5332	67.7	71.3
252	AR 0101093 (URN 004) 9101001/TBNT/KATY/3/LGRU	5	69	105	7228	68.5	71.7
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	5	73	91	6283	69.5	72.5
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	77	91	6439	63.7	67.4
255	MS 0204114	6	73	92	5859	64.7	69.2
256	XL 7	4	69	113	7531	62.8	71.6
257	XL 8	5	73	105	8226	60.3	69.7
258	CLXL 8	4	75	111	8961	59.4	69.0
259	XP 710	7	77	112	8414	58.6	67.7
260	XP 712	5	76	107	8740	63.8	68.7
C.V.		10.3	1.8	4.8	11.1	2.8	1.8
LSD(0.05)		0.9	2.2	7.8	1116.2	3.7	2.5

2003 Commercial Advanced Rice Yield Test
Vermillion Parish, Pine Island, La

200400115

03 CA ENTRY	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Grain Yield
201	CL 121	5	68	79	4532
202	CL 141	4	72	94	4667
203	CL 161	4	74	95	5036
204	COCODRIE	5	70	86	5627
205	CYPRESS	5	73	90	5259
206	CHENIERE	5	73	89	5795
207	FRANCIS	5	72	92	5521
208	WELLS	4	72	93	5179
209	SABER	5	73	89	4390
210	AHRENT	5	71	93	4348
211	PRISCILLA	6	73	90	4892
212	JEFFERSON	8	66	89	4668
213	MAYBELLE	5	63	87	3867
214	PIROGUE	7	75	94	5636
215	BENGAL	5	75	85	5559
216	EARL	6	75	96	5539
217	DELLROSE	7	72	89	3894
218	DELLA	7	75	115	3403
219	DELLMATI	7	63	106	2771
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	5	69	87	5441
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	6	69	88	5430
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	7	64	93	5061
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	6	69	87	5233
224	0202195 (URN 034) NWBT/KATY//9902207x7	5	68	86	5758
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	7	70	92	5094
226	0202048 (URN 048) LM-1	8	72	85	3694
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	5	71	85	4916
228	0102068 (URN 068) 9502008/LGRU	5	72	84	4717
229	0302082 (URN 082) 9502008-A/DREW	6	70	88	5081
230	0302094 (URN 094) 9502008-A/DREW	6	69	92	5189
231	0302097 (URN 097) 9502008-A/TACAURI	6	72	83	4818
232	0202103 (URN103) CPRS/DREW	5	73	87	4790
233	0002140 (URN 025) JSMN/DLLA	6	74	94	4735
234	0202183 (URN 031) 9502065/3/BNGL/MERC/RICO	5	75	83	5999
235	0002146 (URN 028) ORIN/MERC/RICO//...	5	74	90	5815
236	0302140 (URN 140) BNGL/V4916/STRN	5	76	88	5261
237	0302146 (URN 146) BNGL/9502065	5	75	80	4721
238	0302137 (URN 137) DLMT//DLMT//B846273-710	5	69	96	5443
239	0302125 (URN 125) JSMN/DLLA/LEAH/DLLA	5	64	89	4415
240	0302011 (URN011) AC105DH2/AC101DH2	5	70	87	4839
241	0302042 (URN 042) 9863304DH2	7	75	113	5798

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Pine Island, La

200400115

03 CA ENTRY	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Grain Yield
242	0302051 (URN 051) AC105DH2/AC110DH2	7	70	83	4191
243	0302062 (URN 062) CC DR/98PIM0141	6	72	90	3501
244	0302071 (URN 071) AC122DH4	5	76	91	5364
245	0302085 (URN 085) AC105DH2/AC110DH2	5	73	87	4235
246	0302088 (URN 088) AC105DH2/AC110DH2	4	67	94	5231
247	0302091 (URN 091) AC176DH1/9959322DH2	7	70	91	4312
248	0302128 (URN 128) CC DR/98PIM0151	6	72	92	5550
249	0302149 (URN 149) CC DR/98LL0401	6	70	96	5455
250	TX 9092	5	70	83	4558
251	TX 8181	6	73	88	4711
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	6	65	89	4625
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	6	72	92	5328
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	76	88	5080
255	MS 0204114	7	73	95	4357
256	XL 7	6	68	108	6753
257	XL 8	5	71	100	6843
258	CLXL 8	5	73	105	6739
259	XP 710	5	73	100	7659
260	XP 712	5	76	100	6628
C.V.		12.6	1.8	4.8	7.1
LSD (0.05)		1.1	2	7.1	580.3

2003 Commercial Advanced Rice Yield Test
Evangeline Parish, Mamou, La

200400115

ENT	PEDIGREE	Days to 50% Heading	Height (cm)	Grain Yield
201	CL 121	79	82	4512
202	CL 141	83	101	3601
203	CL 161	85	94	5129
204	COCODRIE	81	95	6461
205	CYPRESS	83	97	5566
206	CHENIERE	84	95	6282
207	FRANCIS	83	100	5985
208	WELLS	84	102	6413
209	SABER	83	95	4611
210	AHRENT	79	105	5516
211	PRISCILLA	86	97	4745
212	JEFFERSON	78	85	4537
213	MAYBELLE	74	93	3978
214	PIROGUE	88	88	2898
215	BENGAL	86	92	5109
216	EARL	87	106	5548
217	DELLROSE	87	90	4203
218	DELLA	87	120	2096
219	DELLMATI	80	117	2090
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	78	98	6350
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	82	87	5854
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	76	102	4410
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	81	88	5305
224	0202195 (URN 034) NWBT/KATY//9902207x7	79	95	7288
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	82	96	6742
226	0202048 (URN 048) LM-1	88	82	2625
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	79	93	6115
228	0102068 (URN 068) 9502008/LGRU	84	94	5630
229	0302082 (URN 082) 9502008-A/DREW	81	96	6279
230	0302094 (URN 094) 9502008-A/DREW	80	97	6461
231	0302097 (URN 097) 9502008-A/TACAURI	82	89	5542
232	0202103 (URN103) CPRS/DREW	82	99	5959
233	0002140 (URN 025) JSMN/DLLA	88	101	4498

2003 Commercial Advanced Rice Yield Test
Evangeline Parish, Mamou, La

200400115

ENT	PEDIGREE	Days to 50% Heading	Height (cm)	Grain Yield
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	88	85	4825
235	0002146 (URN 028) ORIN//MERC/RICO//...	82	101	5775
236	0302140 (URN 140) BNGL/V4916/STRN	86	99	4443
237	0302146 (URN 146) BNGL/9502065	87	92	4033
238	0302137 (URN 137) DLMT//DLMT//B846273-710	80	104	2777
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	77	95	3271
240	0302011 (URN 011) AC105DH2/AC101DH2	79	99	5822
241	0302042 (URN 042) 9863304DH2	92	124	5330
242	0302051 (URN 051) AC105DH2/AC110DH2	80	92	4182
243	0302062 (URN 062) CCCR/98PIM0141	86	91	3263
244	0302071 (URN 071) AC122DH4	86	99	4777
245	0302085 (URN 085) AC105DH2/AC110DH2	81	100	5248
246	0302088 (URN 088) AC105DH2/AC110DH2	82	104	6123
247	0302091 (URN 091) AC176DH1/9959322DH2	82	91	4470
248	0302128 (URN 128) CCCR/98PIM0151	81	103	6253
249	0302149 (URN 149) CCCR/98LL0401	80	102	6094
250	TX 9092	85	90	4215
251	TX 8181	88	85	4769
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	73	106	3383
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	84	94	5675
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	88	92	4756
255	MS 0204114	86	97	4058
256	XL 7	79	115	6448
257	XL 8	84	112	6727
258	CLXL 8	83	112	6764
259	XP 710	86	116	7717
260	XP 712	88	111	6635
C.V.		2.2	4.0	10.8
LSD (0.05)		2.9	6.3	892.4

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) Louisiana State University Agricultural Center	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER LA 9902134	3. VARIETY NAME Pirogue
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) LSU AgCenter Rice Research Station 1373 Caffey Road Rayne, LA 70578	5. TELEPHONE (Include area code) (337) 788-7531	6. FAX (Include area code) (337) 788-7553
7. PVPO NUMBER 200400115		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☒ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Owned by the LSU AgCenter.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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